

INI-9200U & UW PCI - I₂O SCSI Adapter

I₂O Ready:

- The I₂O standard defines an intelligent host adapter that's capable of transferring data independent of operating system or host processor type. Leading the way for high-performance and high-value I/O, the Initio INI-9200U series is the first SCSI host adapter designed to be I₂O ready and compliant and the latest in a broad line of high performance SCSI host adapters ideal for enterprise computing, professional and personal desktop systems.

Based on the Initio INIC-950 PCI-UltraSCSI and Intel i960[®] RISC Processors:

- Combining the power of the Initio INIC-950 PCI-UltraSCSI sequencer and the Intel i960 RISC processor, the INI-9200U and INI-9200UW increases overall SCSI throughput and bandwidth resulting in better host CPU utilization. Your host system is allowed to be completely dedicated to running applications and not managing bandwidth or I/O instructions.

Dual-Channel Supports For up to 30 UltraWide and 14 UltraSCSI Drives:

- Combining up to thirty UltraWide or fourteen UltraSCSI peripherals for optimum performance and value in I/O demanding applications, the INI-9200U series provides unmatched performance, throughput, reliability and value.

Full Backward Compatibility With Existing SCSI Devices:

- No need to discard existing SCSI or SCSI-2 peripheral investments. In addition to supporting the latest SCSI standard, the INI-9200U series is fully backward compatible with your existing SCSI devices.

Designed for the enterprise computing environment where extreme performance is a must, the Initio[®] INI[®]-9200U series PCI I₂O Dual Channel Ultra/UltraWide

SCSI intelligent host adapter sets a new performance and connectivity standard. Based on the Initio INIC-950 RISC engine and Intel i960[®] microprocessor, the INI-9200U series is designed to be I₂O ready and compatible, leading the way for the next generation of intelligent SCSI host adapters.

The INI-9200U series takes advantage of the on-board i960 microprocessor and the 133 MBytes/sec burst rate of the PCI bus to provide unmatched I/O performance. By allowing the host CPU do what it was designed to do, run your applications, not manage bandwidth, the INI-9200U & INI-9200UW delivers up to four times the throughput and twice the connectivity of conventional Fast SCSI while improving CPU utilization by minimizing host intervention. The Initio INI-9200UW is capable transferring data at up to 80 Mbytes/sec over two UltraWide SCSI channels.

Built in support for the I₂O standard provides a mechanism where I/O's are intelligently processed independent of the host operating system and platform. The Initio INI-9200U/UW series currently supports all popular operating systems including NetWare^{*}, Windows NT^{*}, Windows 95^{*}, SCO^{*} Unix, UnixWare^{*}, OS/2^{*}, Solaris^{*}, and others. Support for DOS and Windows is built into the intelligence of the INI-9200U series.

While the Initio INI-9200U series host adapters offer state of the art intelligence, they also offer complete compatibility with your existing SCSI peripherals. You can combine up to thirty SCSI-1, SCSI-2, SCSI-3, Ultra/UltraWide SCSI peripherals over two independent channels for optimum performance and value in I/O demanding applications such as high end servers, workstations, or the high-end performance desktop.

The INI-9200U series host adapters feature SmartSCSI^{*}, a user-friendly, BIOS-

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resident setup utility that allows the user extreme control to boot from any channel, as well as individual device configuration and host adapter termination, all via the keyboard. Easi-Install* makes your SCSI software installation under DOS and Windows* simple and painless. The INI-9200U & INI-9200UW includes advanced features such as auto-configuration and auto-termination for Plug-and-Play installations in PCI based systems. The INI-9200U series host adapters will run in Intel compatible, DEC Alpha* and PowerPC* platforms implementing the PCI bus.

TECHNICAL SPECIFICATIONS

Host Bus:

PCI local bus, rev 2.1;
I²C serial bus

Interface Protocol:

Bus Master DMA

Host Bus Data Transfer Rate:

Up to 133 Mbytes/sec burst rate

SCSI Channels:

Two fully independent PCI-SCSI channels bridged through i960 processor

Processors Supported:

i960 Processor

Device Interface:

UltraSCSI, SCSI-3, SCSI-2, SCSI-1; single ended

SCSI Bus Transfer Rate:

INI-9200UW

- 80 MB/sec synchronous UltraWide SCSI (40 MB/sec per channel)
- 40 MB/sec synchronous UltraSCSI (20 MB/sec per channel)

INI-9200U

- 20 MB/sec synchronous UltraSCSI

Connectors:

INI-9200U

- One 50-pin internal connector channel B
- One 50-pin internal connector
- One 50-pin external connector shared channel A

INI-9200UW

- One 68-pin, high-density internal connector channel B
- One 68-pin high-density internal connector
- One 68-pin high-density external connector shared channel A

Device Support:

Up to 30 devices for the INI-9200UW; up to 14 devices for the INI-9200U

Operating System Support:

DOS
Windows/Windows for Workgroups
Windows 95
Windows NT
OS/2
NetWare
UNIX (SCO, UnixWare)

Mean Time Between Failure (MBTF):

350,000 hours

Regulatory Compliance:

FCC class B, CE

Warranty:

5 years

Advanced SCSI Features:

Advanced SCSI Programming Interface (ASPI) compliant

Multitasking operating system support (through hardware scatter/gather, disconnect/reconnect, tagged command queuing)

Support for 255 simultaneous active SCSI commands per channel

Ability to boot from any channel is programmable via SmartSCSI

Availability:

Q1, 1997